

Water-Data Report 2007

02099000 EAST FORK DEEP RIVER NEAR HIGH POINT, NC

Cape Fear Basin
Deep Subbasin

LOCATION.--Lat 36°02'14", long 79°56'44" referenced to North American Datum of 1983, Guilford County, NC, Hydrologic Unit 03030003, on right bank, downstream of culvert on Secondary Road 1541, 3.3 mi upstream from High Point Dam, and 5.2 mi northeast of High Point College, High Point.

DRAINAGE AREA.--14.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1928 to March 1994, October 1997 to current year.

REVISED RECORDS.--WSP 1723: 1929(M). WDR NC-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 764.02 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge, 6,300 ft³/s, gage height, 10.87 ft, from floodmark, from rating curve extended above 1,600 ft³/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record and current water year also occurred on September 27.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.4	4.3	20	68	6.7	17	7.0	3.7	4.1	4.8	1.9	1.6
2	1.6	4.3	12	31	11	352	6.0	3.6	3.5	2.0	1.4	1.4
3	1.3	3.8	6.9	15	7.0	43	4.9	3.7	47	2.1	10	1.2
4	3.1	3.4	5.8	12	5.1	22	4.9	4.9	61	2.1	15	1.3
5	3.9	4.4	5.2	34	4.2	23	3.9	7.9	47	2.7	5.6	1.2
6	5.2	5.5	5.1	50	4.1	17	3.8	13	24	29	2.9	1.1
7	15	53	5.8	78	7.1	10	5.1	4.7	9.5	6.1	2.4	1.2
8	33	66	5.3	153	11	8.3	3.8	3.9	5.6	2.7	2.4	1.0
9	11	19	e4.6	39	8.4	7.4	3.7	4.5	4.3	4.0	2.0	0.99
10	5.1	12	4.7	21	3.2	6.9	3.7	4.9	3.5	8.1	1.9	1.1
11	3.2	11	4.8	18	3.6	6.7	46	4.4	3.5	7.7	1.9	1.3
12	13	121	4.6	19	3.5	6.4	211	4.3	4.6	5.8	2.0	0.99
13	4.1	20	5.8	7.7	22	5.8	35	7.7	3.3	2.2	1.9	0.93
14	6.6	13	6.1	5.3	191	6.3	21	3.9	4.1	2.1	1.5	38
15	6.1	9.3	5.1	5.2	33	9.3	586	3.6	3.8	1.7	1.3	28
16	2.7	581	4.1	5.7	19	160	129	3.6	4.3	1.6	1.3	9.7
17	61	52	3.9	4.6	e12	60	36	4.7	8.5	4.3	1.4	5.7
18	58	27	3.9	e9.1	9.8	23	18	3.8	3.3	16	1.5	3.3
19	24	17	3.9	12	7.5	15	13	3.6	2.8	7.8	1.5	1.5
20	17	12	4.0	7.4	7.5	12	9.5	3.4	2.5	3.2	1.5	1.5
21	9.9	97	3.7	16	8.8	7.7	8.2	3.1	2.2	1.8	2.8	1.4
22	18	394	21	61	10	6.5	6.4	3.3	2.0	1.3	6.3	1.7
23	16	71	20	20	7.4	6.4	5.8	3.4	2.0	14	4.6	1.2
24	10	30	6.6	12	6.1	5.8	5.0	3.3	4.1	10	3.2	0.93
25	8.5	19	169	8.7	54	5.4	5.0	3.2	24	9.8	1.9	0.81
26	5.2	14	53	6.8	39	5.7	4.5	3.3	4.8	7.7	1.7	0.60
27	19	11	22	6.0	17	5.1	23	3.3	3.0	3.8	1.6	2.4
28	62	11	14	5.8	11	4.9	8.4	3.2	2.1	17	1.6	0.90
29	17	8.7	11	5.1	---	24	4.7	3.1	7.9	8.6	1.4	0.58
30	8.9	9.6	8.7	4.8	---	9.2	3.7	3.6	3.5	3.5	2.9	0.57
31	6.1	---	8.1	4.6	---	6.3	---	7.2	---	2.6	3.3	---
Total	457.9	1,704.3	458.7	745.8	530.0	898.1	1,226.0	137.8	305.8	196.1	92.6	114.10
Mean	14.8	56.8	14.8	24.1	18.9	29.0	40.9	4.45	10.2	6.33	2.99	3.80
Max	62	581	169	153	191	352	586	13	61	29	15	38
Min	1.3	3.4	3.7	4.6	3.2	4.9	3.7	3.1	2.0	1.3	1.3	0.57
Cfsm	1.00	3.84	1.00	1.63	1.28	1.96	2.76	0.30	0.69	0.43	0.20	0.26
In.	1.15	4.28	1.15	1.87	1.33	2.26	3.08	0.35	0.77	0.49	0.23	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2007 ^a, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.0	12.7	16.8	23.9	27.1	26.6	21.4	15.3	13.2	13.3	12.7	15.6
Max	79.5	56.8	48.6	82.9	83.0	106	71.6	58.8	61.5	97.5	55.9	124
(WY)	(1960)	(2007)	(1933)	(1978)	(1979)	(1975)	(1987)	(1978)	(1969)	(1975)	(1949)	(2000)
Min	1.88	2.35	3.53	4.32	6.48	6.75	5.52	4.45	3.41	2.93	2.87	1.74
(WY)	(1942)	(1942)	(1942)	(1942)	(1931)	(2006)	(1942)	(2007)	(1986)	(1977)	(1941)	(1954)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1929 - 2007 ^a	
Annual total	9,352.74		6,867.20			
Annual mean	25.6		18.8		17.5	
Highest annual mean					40.4	2003
Lowest annual mean					7.28	1967
Highest daily mean	663	Jun 27	586	Apr 15	1,670	Sep 24, 1947
Lowest daily mean	0.84	Aug 24	0.57	Sep 30	0.57	Sep 30, 2007
Annual seven-day minimum	2.3	Aug 22	0.97	Sep 24	0.65	Aug 7, 2002
Maximum peak flow			1,360	Nov 16	^b 6,300	Sep 24, 1947
Maximum peak stage			10.36	Nov 16	13.46	Sep 23, 2003
Instantaneous low flow			^b 0.29	Sep 26	^b 0.29	Sep 26, 2007
Annual runoff (cfsm)	1.73		1.27		1.18	
Annual runoff (inches)	23.51		17.26		16.08	
10 percent exceeds	44		34		27	
50 percent exceeds	8.4		5.7		7.1	
90 percent exceeds	3.7		1.6		3.5	

^a See Period of Record.

^b See Remarks.

